

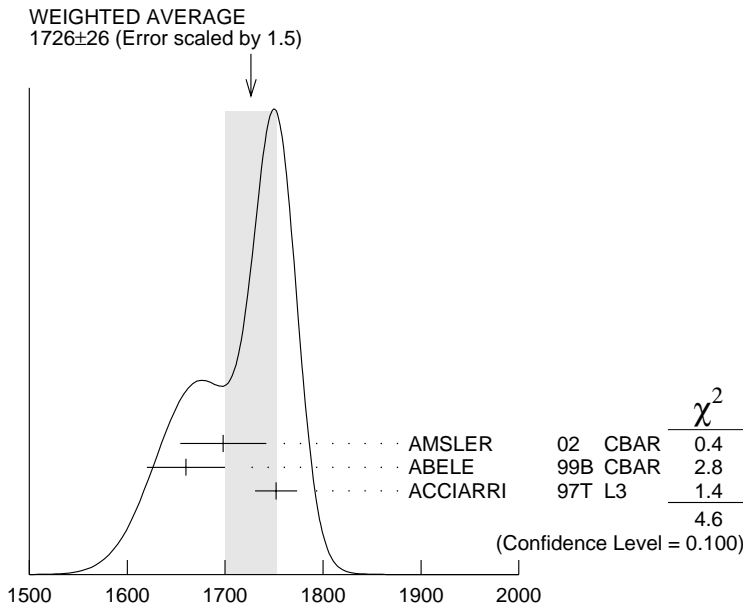
a₂(1700)

$$I^G(J^{PC}) = 1^-(2^{++})$$

OMITTED FROM SUMMARY TABLE

a₂(1700) MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
1726 ± 26 OUR AVERAGE	Error includes scale factor of 1.5.		See the ideogram below.
1698 ± 44	¹ AMSLER	02 CBAR	0.9 $\bar{p}p \rightarrow \pi^0 \eta \eta$
1660 ± 40	ABELE	99B CBAR	1.94 $\bar{p}p \rightarrow \pi^0 \eta \eta$
1752 ± 21 ± 4	ACCIARRI	97T L3	$\gamma\gamma \rightarrow \pi^+ \pi^- \pi^0$
• • • We do not use the following data for averages, fits, limits, etc. • • •			
~ 1775	² GRYGOREV	99 SPEC	40 $\pi^- p \rightarrow K_S^0 K_S^0 n$
¹ T-matrix pole. ² Possibly two $J^P = 2^+$ resonances with isospins 0 and 1.			



a₂(1700) mass (MeV)

a₂(1700) WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
256 ± 40 OUR AVERAGE			
265 ± 55	³ AMSLER	02 CBAR	0.9 $\bar{p}p \rightarrow \pi^0 \eta \eta$
280 ± 70	ABELE	99B CBAR	1.94 $\bar{p}p \rightarrow \pi^0 \eta \eta$
150 ± 110 ± 34	ACCIARRI	97T L3	$\gamma\gamma \rightarrow \pi^+ \pi^- \pi^0$
³ T-matrix pole.			

$a_2(1700)$ DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$\eta\pi$	seen
Γ_2	$\gamma\gamma$	
Γ_3	$\rho\pi$	
Γ_4	$f_2(1270)\pi$	

$a_2(1700)$ $\Gamma(i)\Gamma(\gamma\gamma)/\Gamma(\text{total})$

$[\Gamma(\rho\pi) + \Gamma(f_2(1270)\pi)] \times \Gamma(\gamma\gamma)/\Gamma_{\text{total}}$	$(\Gamma_3 + \Gamma_4)\Gamma_2/\Gamma$	
VALUE (keV)	DOCUMENT ID	TECN
0.29 ± 0.04 ± 0.02	ACCIARRI	97T L3
		$\gamma\gamma \rightarrow \pi^+\pi^-\pi^0$

$a_2(1700)$ REFERENCES

AMSLER	02	EPJ C23 29	C. Amsler <i>et al.</i>	
ABELE	99B	EPJ C8 67	A. Abele <i>et al.</i>	(Crystal Barrel Collab.)
GRYGOREV	99	PAN 62 470	V.K. Grygorev <i>et al.</i>	
		Translated from YAF 62 513.		
ACCIARRI	97T	PL B413 147	M. Acciarri <i>et al.</i>	(L3 Collab.)

OTHER RELATED PAPERS

BARBERIS	00H	PL B488 225	D. Barberis <i>et al.</i>	(WA 102 Collab.)
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